

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended) A fuse arrangement for a vehicle comprising:
a wiring terminal having a plurality of discrete circuits extending therefrom;
a common bus assembly; and
a plurality of rows of fuses used in the vehicle and disposed between the plurality of circuits in the wiring terminal and the common bus assembly, the common bus assembly ~~so configured and arranged to~~ be removable and reinsertable to contact the fuses in the rows to thereby connect electrically to the plurality of discrete circuits.

Claim 2 (original): The fuse arrangement of Claim 1, further comprising:
a housing having a cover and a base portion, wherein the wiring terminal is contained within the base portion and the common bus assembly is contained within the cover of the fuse box.

Claim 3 (original): The fuse arrangement of Claim 1, wherein the axial fuse further comprises first and second male terminal portions that are configured to mate with respective female portions within the wiring terminal and common bus assembly.

Claim 4 (original): The fuse arrangement of Claim 1, wherein the axial fuse further comprises first and second female terminal portions that are configured to mate with respective male portions within the wiring terminal and common bus assembly.

Claim 5 (original): The fuse arrangement of Claim 1, wherein the common bus assembly further comprises a common bus having a plurality of fuse terminal connections extending therefrom, the common bus and plurality of fuse terminal connections being disposed in a single enclosure.

Claim 6 (previously presented): The fuse arrangement of Claim 1, wherein the wiring terminal includes a plurality of discrete circuits that are, in turn, connected to respective electrical loads respectively protected by the at least one fuse disposed between the wiring terminal and the common bus assembly.

Claim 7 (original): The fuse arrangement of Claim 2, wherein the housing in constructed, at least in part, of a thermally conductive material facilitating the removal of heat from elements contained within the fuse box.

Claims 8-18 (canceled).

Claim 19 (currently amended): A fuse box arrangement for a vehicle comprising:
a fuse box having a base and a cover;
a common bus terminal within the fuse box, the common bus terminal connected to a voltage supply;
a plurality of wire terminals within the fuse box, each of the plurality of wire terminals connected to a discrete circuit; and
a fuse array having a plurality of fuses used in the vehicle and arranged between the base and the cover of the fuse box, the fuses electrically connecting the common bus terminal with the discrete circuits, wherein the common bus terminal is completely translationally removable ~~removed~~ from and translationally reinsertable ~~reinserted~~ onto the plurality of fuses and is also separable from the discrete circuits.

Claim 20 (original): The fuse box arrangement of Claim 19, wherein the common bus terminal is affixed to the cover.

Claim 21 (original): The fuse box arrangement of Claim 19, wherein the plurality of wire terminals is affixed to the base.

Claim 22 (original): The fuse box arrangement of Claim 19, wherein the common bus terminal is affixed to the base.

Claim 23 (original): The fuse box arrangement of Claim 19, wherein the plurality of wire terminals is affixed to the cover.

Claim 24 (original): The fuse box arrangement of Claim 19, wherein the fuse array further comprises:

- a planar, electrically insulating substrate having at least two planar sides;
- a metallization pattern disposed on at least one side of the planar substrate, the metallization pattern comprising at least one fuse element;
- a protective coating disposed on at least a respective portion of at least one side of the planar substrate and covering at least a first portion of the metallization pattern; and
- a second portion of the metallization pattern that is not covered by the protective coating, the second portion configured as a contact portion of the fuse array.

Claim 25 (previously presented): The fuse box arrangement of Claim 19, wherein the common bus terminal further comprises a plurality of contact terminals that are configured to connect to first terminals of each of the plurality of fuses within the fuse array, wherein the common bus terminal is configured to simultaneously connect all of the contact terminals therein with the first terminals of each of the fuses when connecting the common bus terminal to the first terminals.

Claims 26-27 (canceled).

Claim 28 (currently amended): A fuse box for a vehicle comprising:
a base and a cover that is completely ~~removed~~ removable with respect to the base;
a common bus terminal that attaches to and is completely removed with one of the base and the cover from the other of the base and cover, the terminal also ~~removed~~ completely separable from a plurality of discrete circuits; and

a plurality of fuses used in the vehicle and housed between the base and the cover that electrically couple to the common bus terminal and the plurality of discrete circuits.

Claim 29 (previously presented): The fuse box of Claim 28, wherein the plurality of fuses are stored on a roll of the fuses.

Claim 30 (previously presented): The fuse box of Claim 29, wherein the roll of the fuses includes a flexible carrier strip having a plurality of indexing apertures, wherein the indexing apertures are individually associated with one of the fuses.

Claim 31 (previously presented): The fuse box of Claim 28, wherein the fuses individually include an insulative substrate, a metallization pattern disposed on the substrate and a protective coating covering at least a portion of the metallization pattern.

Claim 32 (previously presented): The fuse box of Claim 28, wherein the plurality of fuses are positioned on a substrate so as to mate with a terminal arrangement defined by the common bus terminal.

Claim 33 (previously presented): The fuse box of Claim 28, wherein the fuses are axial fuses.

Claim 34 (previously presented): The fuse arrangement of Claim 19, wherein the fuses used in the vehicle are of a type selected from the group consisting of: axial, radial and blade fuses.